

## EAST Search History

|     |    |  |  |     |     |                  |
|-----|----|--|--|-----|-----|------------------|
| S26 | 3  | ("5375169"   "5787173"   "5835597").PN. OR ("6075865").URPN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR  | OFF | 2006/12/07 16:07 |
| S27 | 1  | "5048086".pn.  | USPAT  | OR  | OFF | 2006/12/08 09:38 |
| S28 | 1  | "20020176377".pn.  | US-PGPUB;<br>USPAT   | OR  | OFF | 2007/03/02 10:45 |
| S29 | 3  | "672811".ap.   | US-PGPUB;<br>USPAT   | OR  | OFF | 2007/05/15 09:58 |
| S30 | 3  | "672811".ap.   | US-PGPUB;<br>USPAT   | OR  | OFF | 2007/05/23 11:23 |
| S31 | 1  | "5048086".pn.  | US-PGPUB;<br>USPAT   | OR  | OFF | 2007/05/23 11:23 |
| S32 | 62 | ("5007087").PN. OR ("5048086").URPN.                         | US-PGPUB;<br>USPAT;<br>USOCR   | OR  | OFF | 2007/05/23 11:34 |
| S33 | 0  | generat\$4 with (random number) with ("not") with chaos      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2007/05/23 11:36 |
| S34 | 0  | ("not") with chaos   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2007/05/23 11:35 |
| S35 | 1  | ("not") same chaos   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2007/05/23 11:35 |
| S36 | 0  | generat\$4 same (random number) same ("not") same chaos      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2007/05/23 11:36 |

## EAST Search History

|     |      |  |  |     |    |                  |
|-----|------|--|--|-----|----|------------------|
| S37 | 0    | (random number) same ("not") same chaos                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/05/23 11:37 |
| S38 | 10   | chaos equation   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/05/23 11:44 |
| S39 | 0    | (encryp\$4) with ("not") with (base\$2) with (chao\$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/05/23 11:41 |
| S40 | 0    | (encryp\$4) same ("not") same (base\$2) same (chao\$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/05/23 11:41 |
| S41 | 4282 | ("not" or "no" or "unlike") same (chaos)               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/05/23 11:45 |
| S42 | 2265 | ("not" or "no" or "unlike") with (chaos)               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/05/23 11:45 |
| S43 | 2256 | ("not" or "no") with (chaos)                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/05/23 11:48 |

## EAST Search History

|     |     |                                   |  |     |     |                  |
|-----|-----|-----------------------------------|--|-----|-----|------------------|
| S44 | 168 | (without) with (chaos)            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2007/05/23 11:45 |
| S45 | 154 | S42 and (encrypt\$4)              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2007/05/23 11:47 |
| S46 | 168 | ("not" or "without") with (chaos) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2007/05/23 11:49 |
| S47 | 17  | S46 and (encrypt\$4)              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2007/05/23 12:02 |
| S48 | 0   | "672811".pn.                      | US-PGPUB;<br>USPAT   | OR  | OFF | 2007/05/23 15:16 |
| S49 | 3   | "672811".ap.                      | US-PGPUB;<br>USPAT   | OR  | OFF | 2007/05/23 15:16 |
| S50 | 1   | "5677952".pn.                     | USPAT  | OR  | OFF | 2007/05/24 10:03 |

## Office Action Summary

Application No.

10/672,811

Applicant(s)

CHEUNG, TOM THUAN

Examiner

April Y. Shan

Art Unit

2135

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 19 March 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-6, 8-10 and 12-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-6, 8-10 and 12-20 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 26 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

## EAST Search History

| Ref # | Hits | Search Query  | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|---|--|------------------|---------|------------------|
| L1    | 1295 | (380/28).CCLS.  | US-PGPUB;<br>USPAT   | OR               | OFF     | 2007/05/24 12:16 |
| S1    | 2    | "672811".ap.  | USPAT  | OR               | OFF     | 2007/03/02 10:44 |
| S2    | 3    | "672811".ap.  | US-PGPUB;<br>USPAT   | OR               | OFF     | 2006/12/01 16:29 |
| S3    | 194  | ("20050069127" "4893338"<br>"5857025" "6049608" "6078665"<br>"20020154769" "20040086117"<br>"5666419" "6259790" "6317769"<br>"20020055962" "20030081769"<br>"20030215089" "20050195973"<br>"6058189" "4306111" "5675653"<br>"4969190" "5727064" "5982900"<br>"6128386" "6330674" "6449473"<br>"7133522" "20030007639"<br>"20030059040" "20030118185"<br>"20030210781" "4423287"<br>"4578530" "5313521" "5214698"<br>"5953419" "5265164" "5517567"<br>"5796830" "5987133" "6003136"<br>"6009175" "6055639" "6175920"<br>"6230002" "5224166" "5365589"<br>"5412729" "5481613" "5539827"<br>"5694470" "5787175" "5799086"<br>"5815573" "5841865" "5850451"<br>"5857022" "5864683" "5872849"<br>"5917910" "5920630" "5937066"<br>"5956408" "6009177" "6052469"<br>"6061454" "6061454" "6072876"<br>"6122742" "6185316" "6202150"<br>"6249866" "4295039" "4302810"<br>"4438824" "4500750" "4817140"<br>"4825050" "4881263" "4924513"<br>"4972472" "5001754" "5010573"<br>"5200999" "5208853" "5222140"<br>"5228084" "5295188" "5345506"<br>"5365588" "5384850" "5420866"<br>"5425103" "5434920" "5448638"<br>"5455861" "5495533" "5541994"<br>"5594798" "5604801" "5615268"<br>"5619576" ).pn. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/12/01 16:54 |
| S4    | 24   | ("5677952" "5751811" "5781632"<br> "5805712" "5987133" "6002769"<br> "6226618" "6230272" "6324287"<br> "6345288" "6351813" "6389541"<br>).PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/12/01 16:56 |
| S5    | 1    | "5862325".pn.   | USPAT  | OR               | OFF     | 2006/12/01 16:55 |

## EAST Search History

|     |      |  |  |     |     |                  |
|-----|------|--|--|-----|-----|------------------|
| S6  | 1    | "5915024".pn.  | USPAT  | OR  | OFF | 2006/12/01 16:55 |
| S7  | 1    | "6226383".pn.  | USPAT  | OR  | OFF | 2006/12/01 16:55 |
| S8  | 40   | (derivative equation) and (factor) and (encrypt\$4) and (decrypt\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/12/04 20:32 |
| S9  | 1287 | (380/28).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/12/04 20:33 |
| S10 | 2    | S9 and S8  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/12/04 20:33 |
| S11 | 44   | ("4074066"   "4238854"   "4319079"   "4593353"   "4734796"   "4888798"   "4907274"   "5003597"   "5212729"   "5239581"   "5454039").PN. OR ("5677952").URPN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR  | OFF | 2006/12/06 13:36 |
| S12 | 2583 | (password) and (deriv\$5) and (factor) and (encryp\$4) and (decrypt\$4)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2006/12/07 13:57 |
| S13 | 934  | (password) and (deriv\$5) and (factor) and (encryp\$4) and (decrypt\$4)  | USPAT  | OR  | ON  | 2006/12/07 13:58 |
| S14 | 5    | (password) same (deriv\$5) same (factor) same (encryp\$4) same (decrypt\$4)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2006/12/07 16:00 |
| S15 | 1    | "6845453".pn.  | USPAT  | OR  | OFF | 2006/12/07 14:01 |

## EAST Search History

|     |      |   |  |    |     |                  |
|-----|------|---|--|----|-----|------------------|
| S16 | 13   | ("5280527"   "5499297"  <br>"5805719"   "5907597"  <br>"6035398"   "6035406"  <br>"6307955"   "6317834"  <br>"6332193"   "6385318"  <br>"6553494").PN. OR ("6845453").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2006/12/07 14:05 |
| S17 | 1    | (password) same (derivative)<br>same (factor) same (encryp\$4)<br>same (decrypt\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/12/07 15:26 |
| S18 | 900  | (password) and (derivative) and<br>(factor) and (encryp\$4) and<br>(decrypt\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/12/07 15:26 |
| S19 | 341  | (password) and (derivative) and<br>(factor) and (encryp\$4) and<br>(decrypt\$4)   | USPAT  | OR | ON  | 2006/12/07 15:27 |
| S20 | 1274 | (380/28).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; JPO;<br>DERWENT;<br>IBM_TDB         | OR | OFF | 2006/12/07 15:27 |
| S21 | 6    | S18 and S20   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/12/07 15:31 |
| S22 | 2390 | factor same encryp\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/12/07 15:32 |
| S23 | 956  | factor same encryp\$4   | USPAT  | OR | ON  | 2006/12/07 15:32 |
| S24 | 360  | factor with encryp\$4   | USPAT  | OR | ON  | 2006/12/07 15:32 |
| S25 | 1    | "6075865".pn.   | USPAT  | OR | OFF | 2006/12/07 16:00 |